

DEC 02 2003

OFFICIAL

BAKER BOTTS, L.L.P.  
30 Rockefeller Plaza  
New York, NY 10112-4498  
(212) 408-2500

UNITED STATES PATENT & TRADEMARK OFFICE

FACSIMILE COVER SHEET

Date: 12-2-2003

Fax Number:.....1-703-872-9306

No. Of Pages (including cover sheet).....4

Time Sent:.....

FACSIMILE:.....(212) 408-2501 (AUTOMATIC-24 hours)

FOR ASSISTANCE:.....(212) 408-2500

MESSAGE : Attn: Examiner: Thai D. Hoang

Group Art Unit: 2667

PTO Phone Number: 703-305-3232

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this paper for Registration or Serial No. 09/528,697 is being facsimile transmitted to the Patent and Trademark Office on the date indicated below.

James J. Maune

Attorney Name

Signature

12-2-2003

Date

(TO BE COMPLETED IN DUPLICATE)

File Number: A32894

Billing Code: 072797.0127

*Proposed  
Amendment  
For  
Interview  
on 12/3/04*

**claims for discussion on December 3**

1. A system for providing wireless data communications between mobile units and a wired network **operating according to a protocol which includes packet**

**acknowledgement signals**, comprising:

a plurality of RF ports having at least one data interface, said RF ports being arranged to receive formatted data signals at said data interface and transmit corresponding RF data signals and arranged to receive RF data signals and provide corresponding formatted data signals, **said RF Ports being further arranged to provide and to process said packet acknowledgement signals**; and

at least one cell controller, arranged to receive data signals from said wired network and to provide formatted data signals corresponding thereto to said data interface of said RF ports and to receive formatted data signals from said RF ports and to provide data signals corresponding thereto to said wired network, said cell controller controlling association of mobile units with one of said RF ports, providing formatted data signals for said mobile units to an associated RF port and receiving formatted data signals from said mobile unit from said associated RF port.

28. A method for transmitting signals having a wireless signal format using an RF port having a wired network interface, a data processor and an RF module, comprising providing signals to said wired network interface having wireless address data and message data within a data packet addressed to said RF port using a protocol for said wired network, operating said processor to provide wireless data signals having said wireless signal format for said address data and said message data to said RF module and operating said RF module to transmit said wireless data signals as an RF signal modulated with said wireless signal format.

29. A method for transmitting signals having a wireless signals format using an RF port having an Ethernet interface, a data processor and an RF module, comprising providing an Ethernet data packet to said Ethernet interface, said Ethernet data packet encapsulating as data a data message having said wireless signal format, operating said data processor to provide said data message to said RF module, and operating said RF module to transmit said data message as an RF signal.

30. A method as specified in Claim 29 further comprising operating said data processor to perform a cyclic redundancy computation on said data message and adding the result thereof to said data message.

31. A method as specified in Claim 29 further comprising operating said data processor to control said radio module.

32. A method for receiving signals having a wireless signal format including wireless address data and message data at an RF port having a wired network interface, a data processor and an RF module, comprising operating said RF module to receive RF signals having said wireless signal format, operating said data processor to receive wireless data signals from said RF module and provide data signals to said wired network interface comprising a data packet having a source address corresponding to said RF port using a protocol for said wired network, said data packet including said wireless address data and said message data.

33. A method for receiving RF message signals having a wireless signal format including an address data format and message data using an RF port having an Ethernet interface, a data processor and an RF module, comprising receiving said RF

message signals in said RF module and providing said signals as data signals to said data processor, operating said data processor to interpret address data in said data signals and, in dependence on said address data encapsulating said message data and address data in an Ethernet packet and providing said Ethernet packet to said Ethernet interface.

34. A method as specified in Claim 33 wherein said data processor is operated to encapsulate said address data in said Ethernet packet.

35. A method as specified in Claim 33 wherein said data processor is further operated to perform a cyclic redundancy computation on said message data and to compare the result thereof with corresponding data received in said data signals.

36. A method as specified in Claim 33, further comprising operating said data processor to control said radio module.